

KeySpan Energy Delivery - New England
Rate Design Worksheets

Witness: Silvestrini
D.T.E. 03-40
Exhibit KEDNE/ALS-4
Page 1 of 14

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate R-1 Peak Determinants	Rate R-1 Peak Rates	Rate R-1 Peak Revenues
--	----------------------------------	---------------------------	------------------------------

Proposed Revenue Requirement			\$17,957,736
Number of Bills	898,082	\$10.45	\$9,381,965
Head Block Volumes	10,658,142	\$0.6671	\$7,110,047
Tail Block Volumes	<u>6,299,932</u>	<u>0.1438</u>	\$905,930
Proposed Revenue Requirement	<u>16,958,074</u>		<u>\$17,397,942</u>
Head Block Break used in Design (percent of bills in head block)	20 66%	20	

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
Existing Revenues	\$15,348	0	\$15,348
Add: Revenue Deficiency/ (Surplus)	\$2,610	<u>0</u>	\$2,610
Proposed Revenue Requirement	<u>\$17,958</u>	<u>\$0</u>	<u>\$17,958</u>
Percent Increase/ (Decrease)	<u>17.0%</u>		<u>17.0%</u>

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate R-1 Off-Peak Determinants	Rate R-1 Off-Peak Rates	Rate R-1 Off-Peak Revenues
--	--------------------------------------	-------------------------------	----------------------------------

Proposed Revenue Requirement			\$15,827,197
Number of Bills	899,119	\$10.45	\$9,392,798
Head Block Volumes	6,212,547	\$0.6671	\$4,144,390
Tail Block Volumes	<u>5,011,997</u>	<u>0.1438</u>	\$720,725
Revenue Requirement	<u>11,224,543</u>		<u>\$14,257,913</u>
Head Block Break used in Design Percent of bills in the head block	10 51%	10	

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
Current Revenues	\$12,365	\$0	\$12,365
Add: Revenue Deficiency/ (Surplus)	\$3,462	<u>\$0</u>	\$3,462
Revenue Requirement	<u>\$15,827</u>	<u>\$0</u>	<u>\$15,827</u>
Percent Increase/ (Decrease)	<u>28.0%</u>		<u>28.0%</u>

KeySpan Energy Delivery - New England
Rate Design Worksheets

Witness: Silvestrini
D.T.E. 03-40
Exhibit KEDNE/ALS-4
Page 2 of 14

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate R-2 Peak Determinants	Rate R-2 Peak Rates	Rate R-2 Peak Revenues
--	----------------------------------	---------------------------	------------------------------

Proposed Revenue Requirement			\$0
Number of Bills	61,459	\$6.27	\$385,224
Head Block Volumes	731,223	\$0.4003	\$292,679
Tail Block Volumes	<u>428,710</u>	<u>0.0863</u>	\$36,989
Proposed Revenue Requirement	<u>1,159,934</u>		<u>\$714,892</u>
Head Block Break used in Design (percent of bills in head block)	20 66%	20	452,026
			\$18,112,834

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
---	-------------------------------	------------------------	------------------------------

Existing Revenues	\$0	0	\$0
Add: Revenue Deficiency/ (Surplus)	\$0	<u>0</u>	\$0
Proposed Revenue Requirement	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Percent Increase/ (Decrease)			

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate R-2 Off-Peak Determinants	Rate R-2 Off-Peak Rates	Rate R-2 Off-Peak Revenues
--	--------------------------------------	-------------------------------	----------------------------------

Proposed Revenue Requirement			\$0
Number of Bills	61,530	\$6.27	\$385,669
Head Block Volumes	423,939	\$0.4003	\$169,686
Tail Block Volumes	<u>343,895</u>	<u>0.0863</u>	\$29,671
Revenue Requirement	<u>767,834</u>		<u>\$585,026</u>
Head Block Break used in Design Percent of bills in the head block	10 51%	10	375772.9489

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
---	-------------------------------	------------------------	------------------------------

Current Revenues	\$0	\$0	\$0
Add: Revenue Deficiency/ (Surplus)	<u>\$0</u>	<u>\$0</u>	\$0
Revenue Requirement	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Percent Increase/ (Decrease)			

KeySpan Energy Delivery - New England
Rate Design Worksheets

Witness: Silvestrini
D.T.E. 03-40
Exhibit KEDNE/ALS-4
Page 3 of 14

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate R-3 Peak Determinants	Rate R-3 Peak Rates	Rate R-3 Peak Revenues
--	----------------------------------	---------------------------	------------------------------

Proposed Revenue Requirement			\$139,579,581
Number of Bills	-	\$16.98	\$0
Head Block Volumes	210,939,406	\$0.5261	\$110,975,221
Tail Block Volumes	<u>81,989,223</u>	<u>0.1974</u>	<u>\$16,184,673</u>
Proposed Revenue Requirement	<u>292,928,628</u>		<u>\$127,159,894</u>
Head Block Break used in Design (percent of bills in head block)	150 61%	150	

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
---	-------------------------------	------------------------	------------------------------

Existing Revenues	\$123,743	0	\$123,743
Add: Revenue Deficiency/ (Surplus)	\$7,797	<u>8,040</u>	<u>\$15,837</u>
Proposed Revenue Requirement	<u>\$131,540</u>	<u>\$8,040</u>	<u>\$139,580</u>
Percent Increase/ (Decrease)	<u>6.3%</u>		<u>12.8%</u>

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate R-3 Off-Peak Determinants	Rate R-3 Off-Peak Rates	Rate R-3 Off-Peak Revenues
--	--------------------------------------	-------------------------------	----------------------------------

Proposed Revenue Requirement			\$67,159,237
Number of Bills	1,902,392	\$16.98	\$32,296,272
Head Block Volumes	44,179,700	\$0.5261	\$23,242,940
Tail Block Volumes	<u>28,575,594</u>	<u>0.1974</u>	<u>\$5,640,822</u>
Revenue Requirement	<u>72,755,294</u>		<u>\$61,180,034</u>
Head Block Break used in Design Percent of bills in the head block	30 54%	30	

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
---	-------------------------------	------------------------	------------------------------

Current Revenues	\$43,629	\$0	\$43,629
Add: Revenue Deficiency/ (Surplus)	<u>\$31,570</u>	<u>-\$8,040</u>	<u>\$23,530</u>
Revenue Requirement	<u>\$75,199</u>	<u>(\$8,040)</u>	<u>\$67,159</u>
Percent Increase/ (Decrease)	<u>72.4%</u>		<u>53.9%</u>

KeySpan Energy Delivery - New England
Rate Design Worksheets

Witness: Silvestrini
D.T.E. 03-40
Exhibit KEDNE/ALS-4
Page 4 of 14

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate R-4 Peak Determinants	Rate R-4 Peak Rates	Rate R-4 Peak Revenues
--	----------------------------------	---------------------------	------------------------------

Proposed Revenue Requirement			\$0
Number of Bills	-	\$10.19	\$0
Head Block Volumes	21,030,990	\$0.3157	\$6,638,642
Tail Block Volumes	<u>8,364,022</u>	<u>0.1184</u>	\$990,635
Proposed Revenue Requirement	<u>29,395,012</u>		<u>\$7,629,277</u>
Head Block Break used in Design (percent of bills in head block)	150 61%	150	4,791,751 \$134,789,171

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
---	-------------------------------	------------------------	------------------------------

Existing Revenues	\$0	0	\$0
Add: Revenue Deficiency/ (Surplus)	\$0	<u>0</u>	\$0
Proposed Revenue Requirement	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

Percent Increase/ (Decrease)

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate R-4 Off-Peak Determinants	Rate R-4 Off-Peak Rates	Rate R-4 Off-Peak Revenues
--	--------------------------------------	-------------------------------	----------------------------------

Proposed Revenue Requirement			\$0
Number of Bills	191,041	\$10.19	\$1,945,945
Head Block Volumes	4,435,383	\$0.3157	\$1,400,073
Tail Block Volumes	<u>2,829,690</u>	<u>0.1184</u>	\$335,148
Revenue Requirement	<u>7,265,073</u>		<u>\$3,681,166</u>
Head Block Break used in Design Percent of bills in the head block	30 54%	30	2297985.617

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
---	-------------------------------	------------------------	------------------------------

Current Revenues	\$0	\$0	\$0
Add: Revenue Deficiency/ (Surplus)	<u>\$0</u>	<u>\$0</u>	\$0
Revenue Requirement	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

Percent Increase/ (Decrease)

KeySpan Energy Delivery - New England
Rate Design Worksheets

Witness: Silvestrini
D.T.E. 03-40
Exhibit KEDNE/ALS-4
Page 5 of 14

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate G-41 Peak Determinants	Rate G-41 Peak Rates	Rate G-41 Peak Revenues
--	-----------------------------------	----------------------------	-------------------------------

Proposed Revenue Requirement			\$12,749,117
Number of Bills	117,401	\$33.55	\$3,939,195
Head Block Volumes	11,539,669	\$0.3765	\$4,344,685
Tail Block Volumes	<u>11,861,530</u>	<u>0.3765</u>	<u>\$4,465,547</u>
Proposed Revenue Requirement	<u>23,401,199</u>	<u>0.3765</u>	<u>\$12,749,427</u>
Head Block Break used in Design (percent of bills in head block)	150 59%	0	
			\$12,749,427

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
Existing Revenues	\$10,215	0	\$10,215
Add: Revenue Deficiency/ (Surplus)	\$884	<u>1,650</u>	<u>\$2,534</u>
Proposed Revenue Requirement	<u>\$11,099</u>	<u>\$1,650</u>	<u>\$12,749</u>
Percent Increase/ (Decrease)	<u>8.6%</u>		<u>24.8%</u>

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate G-41 Off-Peak Determinants	Rate G-41 Off-Peak Rates	Rate G-41 Off-Peak Revenues
--	---------------------------------------	--------------------------------	-----------------------------------

Proposed Revenue Requirement			\$5,045,258
Number of Bills	112,983	\$33.55	\$3,790,956
Head Block Volumes	1,197,576	\$0.3267	\$391,248
Tail Block Volumes	<u>2,641,983</u>	<u>0.3267</u>	<u>\$863,079</u>
Revenue Requirement	<u>3,839,559</u>	<u>0.3267</u>	<u>\$5,045,283</u>
Head Block Break used in Design Percent of bills in the head block	20 64%	0	

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
Current Revenues	\$3,546	\$0	\$3,546
Add: Revenue Deficiency/ (Surplus)	<u>\$3,149</u>	<u>-\$1,650</u>	<u>\$1,499</u>
Revenue Requirement	<u>\$6,695</u>	<u>(\$1,650)</u>	<u>\$5,045</u>
Percent Increase/ (Decrease)	<u>88.8%</u>		<u>42.3%</u>

KeySpan Energy Delivery - New England
Rate Design Worksheets

Witness: Silvestrini
D.T.E. 03-40
Exhibit KEDNE/ALS-4
Page 6 of 14

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate G-42 Peak Determinants	Rate G-42 Peak Rates	Rate G-42 Peak Revenues
--	-----------------------------------	----------------------------	-------------------------------

Proposed Revenue Requirement			\$10,840,279
Number of Bills	40,439	\$57.58	\$2,328,478
Head Block Volumes	29,375,194	\$0.2456	\$7,214,548
Tail Block Volumes	<u>5,288,019.56</u>	<u>0.2456</u>	\$1,298,511
Proposed Revenue Requirement	<u>34,663,213</u>	<u>0.2456</u>	<u>\$10,841,537</u>
Head Block Break used in Design (percent of bills in head block)	1,500 86%	0	
			\$10,841,537

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
Existing Revenues	\$11,131	0	\$11,131
Add: Revenue Deficiency/ (Surplus)	(\$491)	<u>200</u>	(\$291)
Proposed Revenue Requirement	<u>\$10,640</u>	<u>\$200</u>	<u>\$10,840</u>
Percent Increase/ (Decrease)	<u>-4.4%</u>		<u>-2.6%</u>

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate G-42 Off-Peak Determinants	Rate G-42 Off-Peak Rates	Rate G-42 Off-Peak Revenues
--	---------------------------------------	--------------------------------	-----------------------------------

Proposed Revenue Requirement			\$4,083,235
Number of Bills	39,805	\$57.58	\$2,291,972
Head Block Volumes	2,284,325	\$0.2361	\$539,329
Tail Block Volumes	<u>5,301,479</u>	<u>0.2361</u>	\$1,251,857
Revenue Requirement	<u>7,585,804</u>	<u>0.2361</u>	<u>\$4,083,158</u>
Head Block Break used in Design Percent of bills in the head block	100 57%	0	

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
Current Revenues	\$3,297	\$0	\$3,297
Add: Revenue Deficiency/ (Surplus)	<u>\$986</u>	<u>-\$200</u>	\$786
Revenue Requirement	<u>\$4,283</u>	<u>(\$200)</u>	<u>\$4,083</u>
Percent Increase/ (Decrease)	<u>29.9%</u>		<u>23.8%</u>

KeySpan Energy Delivery - New England
Rate Design Worksheets

Witness: Silvestrini
D.T.E. 03-40
Exhibit KEDNE/ALS-4
Page 7 of 14

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate G-43 Peak Determinants	Rate G-43 Peak Rates	Rate G-43 Peak Revenues
--	-----------------------------------	----------------------------	-------------------------------

Proposed Revenue Requirement			\$21,317,971
Number of Bills	26,503	\$139.28	\$3,691,249
Head Block Volumes	56,211,820	\$0.2019	\$11,349,166
Tail Block Volumes	<u>31,097,939</u>	<u>0.2019</u>	\$6,278,276
Proposed Revenue Requirement	<u>87,309,759</u>	<u>0.2019</u>	<u>\$21,318,691</u>
Head Block Break used in Design (percent of bills in head block)	3,500 70%	0	
			\$21,318,691

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
---	-------------------------------	------------------------	------------------------------

Existing Revenues	\$22,685	0	\$22,685
Add: Revenue Deficiency/ (Surplus)	(\$367)	(1,000)	(\$1,367)
Proposed Revenue Requirement	<u>\$22,318</u>	<u>(\$1,000)</u>	<u>\$21,318</u>
Percent Increase/ (Decrease)	<u>-1.6%</u>		<u>-6.0%</u>

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate G-43 Off-Peak Determinants	Rate G-43 Off-Peak Rates	Rate G-43 Off-Peak Revenues
--	---------------------------------------	--------------------------------	-----------------------------------

Proposed Revenue Requirement			\$7,517,413
Number of Bills	25,929	\$139.28	\$3,611,305
Head Block Volumes	7,396,323	\$0.1799	\$1,330,599
Tail Block Volumes	<u>14,318,086</u>	<u>0.1799</u>	\$2,575,617
Revenue Requirement	<u>21,714,409</u>	<u>0.1799</u>	<u>\$7,517,521</u>
Head Block Break used in Design Percent of bills in the head block	500 58%	0	

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
---	-------------------------------	------------------------	------------------------------

Current Revenues	\$6,895	\$0	\$6,895
Add: Revenue Deficiency/ (Surplus)	<u>-\$378</u>	<u>\$1,000</u>	\$622
Revenue Requirement	<u>\$6,517</u>	<u>\$1,000</u>	<u>\$7,517</u>
Percent Increase/ (Decrease)	<u>-5.5%</u>		<u>9.0%</u>

KeySpan Energy Delivery - New England
Rate Design Worksheets

Witness: Silvestrini
D.T.E. 03-40
Exhibit KEDNE/ALS-4
Page 8 of 14

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate G-44 Peak Determinants	Rate G-44 Peak Rates	Rate G-44 Peak Revenues
--	-----------------------------------	----------------------------	-------------------------------

Proposed Revenue Requirement			\$11,089,456
Number of Bills	2,330	\$548.67	\$1,278,409
Head Block Volumes	18,166,469	\$0.1966	\$3,571,528
Tail Block Volumes	<u>31,733,500</u>	<u>0.1966</u>	\$6,239,259
Proposed Revenue Requirement	<u>49,899,969</u>	<u>0.1966</u>	<u>\$11,089,196</u>
Head Block Break used in Design (percent of bills in head block)	10,000 42%	0	
			\$11,089,196

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
Existing Revenues	\$10,320	0	\$10,320
Add: Revenue Deficiency/ (Surplus)	\$1,670	(900)	\$770
Proposed Revenue Requirement	<u>\$11,989</u>	<u>(\$900)</u>	<u>\$11,089</u>
Percent Increase/ (Decrease)	<u>16.2%</u>		<u>7.5%</u>

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate G-44 Off-Peak Determinants	Rate G-44 Off-Peak Rates	Rate G-44 Off-Peak Revenues
Proposed Revenue Requirement			\$3,823,035
Number of Bills	2,228	\$548.67	\$1,222,444
Head Block Volumes	3,603,885	\$0.1784	\$642,933
Tail Block Volumes	<u>10,970,758</u>	<u>0.1784</u>	\$1,957,541
Revenue Requirement	<u>14,574,643</u>	<u>0.1784</u>	<u>\$3,822,918</u>
Head Block Break used in Design Percent of bills in the head block	3,000 51%	0	

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
Current Revenues	\$2,581	\$0	\$2,581
Add: Revenue Deficiency/ (Surplus)	<u>\$342</u>	<u>\$900</u>	\$1,242
Revenue Requirement	<u>\$2,923</u>	<u>\$900</u>	<u>\$3,823</u>
Percent Increase/ (Decrease)	<u>13.3%</u>		<u>48.1%</u>

KeySpan Energy Delivery - New England
Rate Design Worksheets

Witness: Silvestrini
D.T.E. 03-40
Exhibit KEDNE/ALS-4
Page 9 of 14

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate G-51 Peak Determinants	Rate G-51 Peak Rates	Rate G-51 Peak Revenues
Proposed Revenue Requirement			\$3,721,363
Number of Bills	55,136	\$29.47	\$1,624,858
Head Block Volumes	3,947,938	\$0.2574	\$1,016,199
Tail Block Volumes	<u>4,195,946</u>	<u>0.2574</u>	\$1,080,175
Proposed Revenue Requirement	<u>8,143,884</u>	<u>0.2574</u>	<u>\$3,721,232</u>
Head Block Break used in Design (percent of bills in head block)	150 72%	0	\$3,721,232

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
Existing Revenues	\$3,676	0	\$3,676
Add: Revenue Deficiency/ (Surplus)	\$46	<u>0</u>	\$46
Proposed Revenue Requirement	<u>\$3,721</u>	<u>\$0</u>	<u>\$3,721</u>
Percent Increase/ (Decrease)	<u>1.2%</u>		<u>1.2%</u>

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate G-51 Off-Peak Determinants	Rate G-51 Off-Peak Rates	Rate G-51 Off-Peak Revenues
Proposed Revenue Requirement			\$2,788,525
Number of Bills	54,444	\$29.47	\$1,604,465
Head Block Volumes	1,746,228	\$0.2160	\$377,185
Tail Block Volumes	<u>3,735,474</u>	<u>0.2160</u>	\$806,871
Revenue Requirement	<u>5,481,702</u>	<u>0.2160</u>	<u>\$2,788,521</u>
Head Block Break used in Design Percent of bills in the head block	60 65%	0	

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
Current Revenues	\$2,583	\$0	\$2,583
Add: Revenue Deficiency/ (Surplus)	<u>\$206</u>	<u>\$0</u>	\$206
Revenue Requirement	<u>\$2,789</u>	<u>\$0</u>	<u>\$2,789</u>
Percent Increase/ (Decrease)	<u>8.0%</u>		<u>8.0%</u>

KeySpan Energy Delivery - New England
Rate Design Worksheets

Witness: Silvestrini
D.T.E. 03-40
Exhibit KEDNE/ALS-4
Page 10 of 14

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate G-52 Peak Determinants	Rate G-52 Peak Rates	Rate G-52 Peak Revenues
--	-----------------------------------	----------------------------	-------------------------------

Proposed Revenue Requirement			\$3,390,518
Number of Bills	18,750	\$50.67	\$950,000
Head Block Volumes	6,838,468	\$0.2088	\$1,427,872
Tail Block Volumes	<u>4,850,934</u>	<u>0.2088</u>	<u>\$1,012,780</u>
Proposed Revenue Requirement	<u>11,689,402</u>	<u>0.2088</u>	<u>\$3,390,652</u>
Head Block Break used in Design	520	0	
(percent of bills in head block)	52%		\$3,390,652

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
Existing Revenues	\$3,471	0	\$3,471
Add: Revenue Deficiency/ (Surplus)	(\$81)	<u>0</u>	(\$81)
Proposed Revenue Requirement	<u>\$3,391</u>	<u>\$0</u>	<u>\$3,391</u>
Percent Increase/ (Decrease)	<u>-2.3%</u>		<u>-2.3%</u>

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate G-52 Off-Peak Determinants	Rate G-52 Off-Peak Rates	Rate G-52 Off-Peak Revenues
--	---------------------------------------	--------------------------------	-----------------------------------

Proposed Revenue Requirement			\$2,194,083
Number of Bills	18,712	\$50.67	\$948,075
Head Block Volumes	5,205,142	\$0.1226	\$638,150
Tail Block Volumes	<u>4,960,914</u>	<u>0.1226</u>	<u>\$608,037</u>
Revenue Requirement	<u>10,166,057</u>	<u>0.1226</u>	<u>\$2,194,262</u>
Head Block Break used in Design	400	0	
Percent of bills in the head block	50%		

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
Current Revenues	\$2,809	\$0	\$2,809
Add: Revenue Deficiency/ (Surplus)	<u>-\$615</u>	<u>\$0</u>	<u>-\$615</u>
Revenue Requirement	<u>\$2,194</u>	<u>\$0</u>	<u>\$2,194</u>
Percent Increase/ (Decrease)	<u>-21.9%</u>		<u>-21.9%</u>

KeySpan Energy Delivery - New England
Rate Design Worksheets

Witness: Silvestrini
D.T.E. 03-40
Exhibit KEDNE/ALS-4
Page 11 of 14

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate G-53 Peak Determinants	Rate G-53 Peak Rates	Rate G-53 Peak Revenues
Proposed Revenue Requirement			\$5,175,662
Number of Bills	9,342	\$126.60	\$1,182,666
Head Block Volumes	9,472,660	\$0.1890	\$1,790,333
Tail Block Volumes	<u>11,653,887</u>	<u>0.1890</u>	\$2,202,628
Proposed Revenue Requirement	<u>21,126,547</u>	<u>0.1890</u>	<u>\$5,175,627</u>
Head Block Break used in Design (percent of bills in head block)	1,500 54%	0	\$5,175,627

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
Existing Revenues	\$5,515	0	\$5,515
Add: Revenue Deficiency/ (Surplus)	(\$40)	(300)	(\$340)
Proposed Revenue Requirement	<u>\$5,476</u>	<u>(300)</u>	<u>\$5,176</u>
Percent Increase/ (Decrease)	<u>-0.7%</u>		<u>-6.2%</u>

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate G-53 Off-Peak Determinants	Rate G-53 Off-Peak Rates	Rate G-53 Off-Peak Revenues
Proposed Revenue Requirement			\$2,884,408
Number of Bills	9,215	\$126.60	\$1,166,588
Head Block Volumes	6,305,205	\$0.1200	\$756,625
Tail Block Volumes	<u>8,007,403</u>	<u>0.1200</u>	\$961,060
Revenue Requirement	<u>14,312,608</u>	<u>0.1200</u>	<u>\$2,884,273</u>
Head Block Break used in Design Percent of bills in the head block	1,000 51%	0	

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
Current Revenues	\$3,280	\$0	\$3,280
Add: Revenue Deficiency/ (Surplus)	<u>-\$695</u>	<u>\$300</u>	<u>-\$395</u>
Revenue Requirement	<u>\$2,584</u>	<u>\$300</u>	<u>\$2,884</u>
Percent Increase/ (Decrease)	<u>-21.2%</u>		<u>-12.0%</u>

KeySpan Energy Delivery - New England
Rate Design Worksheets

Witness: Silvestrini
D.T.E. 03-40
Exhibit KEDNE/ALS-4
Page 12 of 14

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate G-54 Peak Determinants	Rate G-54 Peak Rates	Rate G-54 Peak Revenues
Proposed Revenue Requirement			\$6,127,339
Number of Bills	994	\$587.14	\$583,617
Head Block Volumes	11,523,422	\$0.1851	\$2,132,985
Tail Block Volumes	<u>18,420,343</u>	<u>0.1851</u>	<u>\$3,410,302</u>
Proposed Revenue Requirement	<u>29,943,765</u>	<u>0.1851</u>	<u>\$6,126,904</u>
Head Block Break used in Design (percent of bills in head block)	15,000 42%	0	\$6,126,904

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
Existing Revenues	\$5,907	0	\$5,907
Add: Revenue Deficiency/ (Surplus)	\$220	<u>0</u>	\$220
Proposed Revenue Requirement	<u>\$6,127</u>	<u>\$0</u>	<u>\$6,127</u>
Percent Increase/ (Decrease)	<u>3.7%</u>		<u>3.7%</u>

KeySpan Energy Delivery - New England Rate Design Worksheet Summary Schedule	Rate G-54 Off-Peak Determinants	Rate G-54 Off-Peak Rates	Rate G-54 Off-Peak Revenues
Proposed Revenue Requirement			\$2,983,343
Number of Bills	998	\$587.14	\$585,966
Head Block Volumes	6,026,058	\$0.1192	\$718,306
Tail Block Volumes	<u>14,080,598</u>	<u>0.1192</u>	<u>\$1,678,872</u>
Revenue Requirement	<u>20,106,656</u>	<u>0.1192</u>	<u>\$2,983,144</u>
Head Block Break used in Design Percent of bills in the head block	8,000 39%	0	

Seasonal Adjustment of Revenue Requirement (\$000)	Revenues Before Adjustment	Seasonal Adjustment	Revenues After Adjustment
Current Revenues	\$1,748	\$0	\$1,748
Add: Revenue Deficiency/ (Surplus)	<u>\$1,236</u>	<u>\$0</u>	<u>\$1,236</u>
Revenue Requirement	<u>\$2,983</u>	<u>\$0</u>	<u>\$2,983</u>
Percent Increase/ (Decrease)	<u>70.7%</u>		<u>70.7%</u>

KEYSPAN ENERGY DELIVERY NEW ENGLAND
RATE DESIGN WORKSHEETS
RATE CLASSIFICATION G-7
STREET LIGHTING
RATE CALCULATION

Line No.		PEAK		OFFPEAK		TOTAL
		WITHOUT CLOCK	WITH CLOCK	WITHOUT CLOCK	WITH CLOCK	
		COL. 1	COL. 2	COL. 3	COL. 4	COL. 5
1	REVENUE REQUIREMENT					\$273,984
2						
3	NUMBER OF LAMPS	2,934	35	2,934	35	2,969
4						
5	TOTAL USAGE-THERMS					853,919
6						
7	HOURS					
8	o PER LAMP	4,380	1,915	4,380	1,915	
9	o TOTAL HOURS (L3 * L8)	12,850,920	67,025	12,850,920	67,025	
10						
11	THERMS PER HOUR	0.0328	0.0328	0.0328	0.0328	
12	(col 5, L5/L3/365/24)					
13						
14	FIXED REVENUES TO					
15	BE COLLECTED:					
16	o TOTAL					\$273,984
17	o PER LAMP PER YEAR (L25 / L3)					\$92.28

04/12/2003

Witness: Silvestrini
D.T.E. 03-40
Exhibit KEDNE/ALS-4
Page 14 of 14

**KEYSPAN ENERGY DELIVERY NEW ENGLAND
RATE DESIGN WORKSHEETS
RATE CLASSIFICATION G-17
STREET LIGHTING
RATE CALCULATION**

	PEAK	OFF PEAK	TOTAL
Line No.	COL. 1	COL. 2	COL. 3
1			\$10,645
2			
3	26	26	26
4	156	156	312
5	1.0000	1.0000	
6			
7			4,630
8			
9			
10	4,380	4,380	
11	113,880	113,880	
12			
13	0.0203	0.0203	
14			
15			
16			
17			
18			
19			\$10,645
20			\$409.42
21			\$34.12
22			\$34.12
23			
24	\$34.12	\$34.12	
25			
26	\$5,322	\$5,322	\$10,645
27			